

GRAPHENE SUPER CAPACITOR ENERGY STORAGE MODULE

EF SERIES

REPRESENTED BY
ATD ENERGY P/L

FEATURES

- * Graphene supercapacitor cells
- * Safest technology
- * Ultra long cycle life
- * Extreme temperature
- * Highest energy transfer efficiency
- * Easy to install
- * Rarely maintenance



Part Number	ATDE-EF-48V7600-E
Energy storage	7.68KWh
Nominal Capacity	33750F (150Ah)
Nominal Voltage	51.2V/DC
Maximum Charge Voltage	57.6V/DC
Discharge Cut-off Voltage	44.8V/DC
ESR/AC @1KHz 50% SOC	<15mΩ
Max. Continuous Charge Current	100A
Max. Continuous Discharge Current	100A
Configuration	16S5P
Cooling Method	Natural
Cells Self-discharge Rate	2% per month
Projected Cycle Life (25 °C)	10,000 times
Recommended Depth of Discharge	≤90%
Maximum Depth of Discharge	100%
Shell Material	Metal & ABS plastic
Monitoring Data	System voltage,current, temperature,SOC,SOH,cycle,cell's voltage
Series Connection	Not allowed
Parallel Connection	Up to 10sets (if parallel more,add controller box)
Series-Parallel Connection	Not allowed

COMPLIANCE INFORMATION

Safety	UN38.3
Transport	MSDS
CE	EN 62133:2013, EN 55032:2015+AC:2016, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013
Environmental	RoHS
Compatible Inverters	Deye, Growatt, SMA

ENVIRONMENTAL SPECIFICATIONS

Environmental Protection	Indoor
Operating Humidity	0~90% RH Non-condensing
Charge Temperature	0 °C ~ +55 °C
Discharge Temperature	-20 °C ~ +60 °C
Storage Conditions	-20 °C ~ +40 °C 25% ~ 95%RH SOC>30%, one full charge needed per two months

GRAPHENE SUPER CAPACITOR ENERGY STORAGE MODULE

MECHANICAL SPECIFICATIONS

Part Number	ATDE-EF-48V7600-E
Weight	60Kg
Dimensions(WxDxH)	480x630x250(mm)
Mount Options	19" Rack and Shelf

Dimensions and weight differ slightly for each batch. Contact ATD Energy for additional information.

